

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	43	((ROHRIG) near2 (PETER)). inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 14:21
S2	20	("1972344"   "2584359"   "20020121525"   "5240149"   "5687882"   "6223956"   "6305570").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 14:26
S3	12	("3360169"   "4747518"   "4785978"   "5115950").PN. OR ("6223956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:28
S7	659	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:45
S20	1179	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:47
S25	1585	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/18 15:48
S26	115	"220/715".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:05
S27	288	"220/714".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:10

S28	181	"220/711".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:14
S29	660	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:17
S30	143	S29 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:17
S31	125	"220/203.11".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:19
S32	151	"220/203.01".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:21
S33	401	"215/388".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:23
S34	220	"215/387".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:28
S35	446	"215/260".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:32
S36	294	"215/270".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:39

S37	129	"215/271".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:43
S38	587	"215/11.5".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:45
S39	282	"215/11.4".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:54
S40	178	"222/532".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:12
S41	482	"222/531".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:16
S42	1179	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:21
S43	372	S42 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:21
S44	22	S42 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:26
S45	423	"222/544".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:29

S46	366	"222/506".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:37
S47	1585	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:43
S49	387	S47 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:43
S48	22	S47 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:43
S51	102	"220/203.23".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:51
S50	79	"220/203.24".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 15:51
S52	186	("1732126"   "1827100"   "2001842"   "2043186"   "2061124"   "2084099"   "2122299"   "2173627"   "2219604"   "2321236"   "2442656"   "2608841"   "2624485"   "2669234"   "2745568"   "2747573"   "2772817"   "2803251"   "2825479"   "2876113"   "2876772"   "2876773"   "2907485"   "2979078"   "2987209"   "3126116"   "3134494"   "3207349"   "3360169"   "3411648"   "3424157"   "3481500"   "3593871"   "3651973"   "3704803"   "4135513"   "4339046"   "4561570"   "4747518"   "4760937"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 16:11

		"4776495"   "4785978"   "4909416"   "4946062"   "4946075"   "4961508"   "5035340"   "5071017"   "5101991"   "5105976"   "5115950"   "5213236"   "5339995"   "5377877"   "5409144"   "5439143"   "5542670"   "5607073"   "5632420"   "5651471"   "5702025"   "5706973"   "5839614"   "5890619"   "5890620"   "5890621"   "5897013"   "5988425"   "6050445"   "6102245").PN. OR ("2610755"   "2745568"   "3232499"   "5747083"   "5924605"   "6223956"   "6230923"   "6321931"). URPN.				
S53	2	"20040112920"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 16:46
S56	1538	"222/482".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:52
S54	1152	"222/212".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:52
S58	1030	"222/481".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:52
S55	338	S54 and (snap snapp\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:52
S57	134	S56 and (snap snapp\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:52

S60	696	"222/498".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:53
S59	70	S58 and (snap snapp\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:53
S61	7	S60 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 17:53
S62	2	EP-296004-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 18:05
S64	8	("5115950"   "4747518"   "1880103").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 18:06
S63	2	WO-9429187-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 18:06
S65	28	(US-20040089626-\$ or US- 20050087571-\$).did. or (US- D249161-\$ or US-6223956-\$ or US-3360169-\$ or US- 3739938-\$ or US-5964379-\$ or US-6321931-\$ or US- 5294018-\$ or US-6230923-\$ or US-4448316-\$ or US- 2319849-\$ or US-6068147-\$ or US-3366261-\$ or US- 5747083-\$ or US-5924605-\$). did. or (US-2584359-\$ or US- 2411216-\$ or US-2980276-\$ or US-2610755-\$ or US- 2745568-\$ or US-2764155-\$ or US-2695737-\$ or US- 3232499-\$ or US-3120910-\$). did. or (EP-400514-\$).did. or (JP-03098882-\$).did. or (DE- 29817571-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/20 08:56

S66	4	(US-4747518-\$).did. or (US-2219604-\$ or US-2717727-\$ or US-3337900-\$).did.	USPAT; USOCR	OR	ON	2009/03/20 08:56
S103	1718	(S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102) and (beverage drink\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S72	1585	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S91	1585	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S97	1538	"222/482".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S71	1179	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S88	1179	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S96	1152	"222/212".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S98	1030	"222/481".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57

S99	696	"222/498".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S70	660	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S76	660	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S84	587	"215/11.5".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S87	482	"222/531".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S81	446	"215/260".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S89	423	"222/544".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S79	401	"215/388".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S90	366	"222/506".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57



S82	294	"215/270".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S74	288	"220/714".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S85	282	"215/11.4".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S80	220	"215/387".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S94	186	( "1732126"   "1827100"   "2001842"   "2043186"   "2061124"   "2084099"   "2122299"   "2173627"   "2219604"   "2321236"   "2442656"   "2608841"   "2624485"   "2669234"   "2745568"   "2747573"   "2772817"   "2803251"   "2825479"   "2876113"   "2876772"   "2876773"   "2907485"   "2979078"   "2987209"   "3126116"   "3134494"   "3207349"   "3360169"   "3411648"   "3424157"   "3481500"   "3593871"   "3651973"   "3704803"   "4135513"   "4339046"   "4561570"   "4747518"   "4760937"   "4776495"   "4785978"   "4909416"   "4946062"   "4946075"   "4961508"   "5035340"   "5071017"   "5101991"   "5105976"   "5115950"   "5213236"   "5339995"   "5377877"   "5409144"   "5439143"   "5542670"   "5607073"   "5632420"   "5651471"   "5702025"   "5706973"   "5839614"   "5890619"   "5890620"   "5890621"   )	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 08:57

		"5897013"   "5988425"   "6050445"   "6102245").PN. OR ("2610755"   "2745568"   "3232499"   "5747083"   "5924605"   "6223956"   "6230923"   "6321931"). URPN.				
S75	181	"220/711".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S86	178	"222/532".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S78	151	"220/203.01".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S83	129	"215/271".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S77	125	"220/203.11".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S73	115	"220/715".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S93	102	"220/203.23".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S92	79	"220/203.24".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57

S67	43	((ROHRI G) near2 (PETER)). inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S68	20	("1972344"   "2584359"   "20020121525"   "5240149"   "5687882"   "6223956"   "6305570").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S69	12	("3360169"   "4747518"   "4785978"   "5115950").PN. OR ("6223956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 08:57
S102	8	("5115950"   "4747518"   "1880103").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S95	2	"20040112920"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S100	2	EP-296004-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S101	2	WO-9429187-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:57
S104	129	S103 and mouth\$1piece	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 08:58
S105	830	S103 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:01

S107	552	S103 and (snap snapp\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:01
S106	91	S104 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:01
S108	41	S107 and mouth\$1piece	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:01
S109	306	S107 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:03
S110	33	S109 and mouth\$1piece	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:04
S111	514	(S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102) and oval	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:54
S112	202	S111 and (beverage drink\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:54
S113	103	S112 and (snap snapp\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 09:55

S114	158	(S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102) and mouthpiece	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:18
S115	33	S114 and oval	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:18
S116	31	"B65D".ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:35
S117	24584	pouring.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:36
S118	77	S117 and automatically.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:37
S119	297998	"B65D"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:42
S120	6818	S119 and pouring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:43
S121	191	S120 and automatically	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:43
S122	74	S121 and bottle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:43

S123	292538	S119 and @pd>="19701222"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:44
S124	3426	S119 and @pd<="19721222"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:44
S125	165	S124 and pouring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:45
S126	29	S125 and bottle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:45
S127	399	S124 and bottle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:46
S128	29	S127 and pouring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 10:46
S129	399	(S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102) and (valve adj opening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:30
S131	323	((several plurality) near (valve adj opening))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:31

S134	17	S131 and "222".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:31
S130	4	S129 and ((several plurality) near (valve adj opening))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:31
S132	2	S131 and "220".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:31
S133	2	S131 and "215".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 11:31
S135	2	JP-2002002755-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 15:33
S136	1	2002-160721.NRAN.	DERWENT	OR	ON	2009/09/10 15:34
S137	1	2002-160721.NRAN.	DERWENT	OR	ON	2009/09/10 15:34
L2	930	"220/200".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:07
L3	854	"220/694".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:07
L1	323	"220/703".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:07

L4	2	2 and (fasten\$3 adj ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:07
L7	193	"215/200".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:08
L5	1	3 and (fasten\$3 adj ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:08
L12	969	"D7/321".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L8	638	"D7/398".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L11	518	"D7/308".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L14	368	"D7/312".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L10	318	"D7/397".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L9	17	8 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09



L13	9	12 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:09
L17	1162	"D9/447".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:10
L16	600	"D9/449".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:10
L15	513	"D7/300".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:10
L18	37	17 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:10
L19	147	2 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:14
L20	126	3 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:14
L21	11	(US-5747083-\$ or US-5924605-\$ or US-6068147-\$ or US-6223956-\$ or US-6230923-\$ or US-6321931-\$).did. or (US-2610755-\$ or US-2745568-\$ or US-3120910-\$ or US-3232499-\$).did. or (DE-29817571-\$).did.	USPAT; USOCR; DERWENT	OR	ON	2010/03/06 17:55

L22	28	(US-20040089626-\$ or US-20050087571-\$).did. or (US-D249161-\$ or US-6223956-\$ or US-3360169-\$ or US-3739938-\$ or US-5964379-\$ or US-6321931-\$ or US-5294018-\$ or US-6230923-\$ or US-4448316-\$ or US-2319849-\$ or US-6068147-\$ or US-3366261-\$ or US-5747083-\$ or US-5924605-\$).did. or (US-2584359-\$ or US-2411216-\$ or US-2980276-\$ or US-2610755-\$ or US-2745568-\$ or US-2764155-\$ or US-2695737-\$ or US-3232499-\$ or US-3120910-\$).did. or (EP-400514-\$).did. or (JP-03098882-\$).did. or (DE-29817571-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/06 17:56
L23	20	(US-4747518-\$ or US-4415097-\$ or US-5971225-\$ or US-5747083-\$ or US-5924605-\$ or US-6068147-\$ or US-6223956-\$ or US-6230923-\$ or US-6321931-\$).did. or (US-2219604-\$ or US-2717727-\$ or US-3337900-\$ or US-2374092-\$ or US-2372281-\$ or US-3321114-\$ or US-2610755-\$ or US-2745568-\$ or US-3120910-\$ or US-3232499-\$).did. or (DE-29817571-\$).did.	USPAT; USOCR; DERWENT	OR	ON	2010/03/06 17:56
L31	1595	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L50	1595	"222/505".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L56	1539	"222/482".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57

L30	1191	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L47	1191	"222/559".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L55	1172	"222/212".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L57	1031	"222/481".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L58	697	"222/498".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L29	684	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L35	684	"220/367.1".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L43	602	"215/11.5".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L46	483	"222/531".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57

L40	446	"215/260".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L48	429	"222/544".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L38	410	"215/388".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L49	370	"222/506".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L33	311	"220/714".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L41	298	"215/270".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L44	292	"215/11.4".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L39	233	"215/387".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L34	193	"220/711".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57

L53	192	("1732126"   "1827100"   "2001842"   "2043186"   "2061124"   "2084099"   "2122299"   "2173627"   "2219604"   "2321236"   "2442656"   "2608841"   "2624485"   "2669234"   "2745568"   "2747573"   "2772817"   "2803251"   "2825479"   "2876113"   "2876772"   "2876773"   "2907485"   "2979078"   "2987209"   "3126116"   "3134494"   "3207349"   "3360169"   "3411648"   "3424157"   "3481500"   "3593871"   "3651973"   "3704803"   "4135513"   "4339046"   "4561570"   "4747518"   "4760937"   "4776495"   "4785978"   "4909416"   "4946062"   "4946075"   "4961508"   "5035340"   "5071017"   "5101991"   "5105976"   "5115950"   "5213236"   "5339995"   "5377877"   "5409144"   "5439143"   "5542670"   "5607073"   "5632420"   "5651471"   "5702025"   "5706973"   "5839614"   "5890619"   "5890620"   "5890621"   "5897013"   "5988425"   "6050445"   "6102245").PN. OR ("2610755"   "2745568"   "3232499"   "5747083"   "5924605"   "6223956"   "6230923"   "6321931"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/06 17:57
L45	178	"222/532".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L37	160	"220/203.01".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57

L42	130	"215/271".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L36	126	"220/203.11".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L32	119	"220/715".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L52	105	"220/203.23".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L51	81	"220/203.24".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L26	47	((ROHRIG) near2 (PETER)). inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L24	28	(US-20040089626-\$ or US- 20050087571-\$).did. or (US- D249161-\$ or US-6223956-\$ or US-3360169-\$ or US- 3739938-\$ or US-5964379-\$ or US-6321931-\$ or US- 5294018-\$ or US-6230923-\$ or US-4448316-\$ or US- 2319849-\$ or US-6068147-\$ or US-3366261-\$ or US- 5747083-\$ or US-5924605-\$). did. or (US-2584359-\$ or US- 2411216-\$ or US-2980276-\$ or US-2610755-\$ or US- 2745568-\$ or US-2764155-\$ or US-2695737-\$ or US- 3232499-\$ or US-3120910-\$). did. or (EP-400514-\$).did. or (JP-03098882-\$).did. or (DE- 29817571-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/06 17:57

L27	20	("1972344"   "2584359"   "20020121525"   "5240149"   "5687882"   "6223956"   "6305570").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L28	12	("3360169"   "4747518"   "4785978"   "5115950").PN. OR ("6223956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/06 17:57
L61	8	("5115950"   "4747518"   "1880103").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L62	5	(1 2 3 8 17 7 10 11 12 14 15 16 21 22 23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61) and (ring near5 spac\$3 near5 membrane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L25	4	(US-4747518-\$).did. or (US- 2219604-\$ or US-2717727-\$ or US-3337900-\$).did.	USPAT; USOCR	OR	ON	2010/03/06 17:57
L54	2	"20040112920"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L59	2	EP-296004-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L60	2	WO-9429187-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 17:57
L63	554	(ring near5 spac\$3 near5 membrane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 18:05

L64	18	(1 2 3 8 17 7 10 11 12 14 15 16 21 22 23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61) and (membrane near5 (snap snapp\$3 resnap resnapp\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 18:06
L65	1012	(1 2 3 8 17 7 10 11 12 14 15 16 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 56 57 58) and @pd> = "20030120"	US-PGPUB	OR	ON	2010/03/06 18:21
L66	158	65 and membrane	US-PGPUB	OR	ON	2010/03/06 18:21
L67	7	65 and (fasten\$3 adj ring)	US-PGPUB	OR	ON	2010/03/06 18:25
L68	75	"220/203.19".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 18:55
L69	237	"220/202".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/06 18:57
L70	1031	(1 2 3 8 17 7 10 11 12 14 15 16 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 56 57 58 68 69) and @pd> = "20030120"	US-PGPUB	OR	ON	2010/03/06 19:00

3/ 6/ 2010 7:01:42 PM

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